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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/017,625	12/13/2001	J. Fred Crawford	D5946D	7263

7590

05/07/2003

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EXAMINER

GITOMER, RALPH J

ART UNIT

PAPER NUMBER

1651

DATE MAILED: 05/07/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
10/017,625

Applicant(s)
Crawford

Examiner
Ralph Gitomer

Art Unit
1651



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Mar 10, 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 12 and 16-19 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 12 and 16-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☒ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☒ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other:

The amendment received 3/10/2003 has been entered and claims 12, 16-19 are currently pending in this application. Please inform the examiner of any related cases.

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Claims 12, 16-19 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Each of the following applies in all occurrences.

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Claim 12 preamble is directed to determining a cysteine deficiency but there is no step to accomplish the preamble. In claim 18 ~~the~~ said vitamins lacks definite antecedent basis. Claim 19 is not understood in context where no response is seen.

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The title of the invention is not aptly descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

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The following prior art pertinent to applicant's disclosure is made of record and not relied upon:

Shire (4,499,064) teaches nutritional status assessment.

Droge (5,607,974) teaches cysteine deficiency and treatment.

Crawford (5,985,665) teaches antioxidant function.

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Keller (6,262,019) teaches treating glutathione deficiency.

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Van Dyke (6,514,955) teaches antioxidants.

Demopoulos (US 2002/0136763 A1) teaches glutathione preparations.

Shive (4,499,064) teaches testing nutritional status.

Darfler (4,927,762) teaches culture media.

5 Hamilos (Immunopharmacology) teaches determining glutathione.

Messina (Int J Immunopharmacology) teaches lymphocyte activation.

Any inquiry concerning this communication or earlier
communications from the examiner should be directed to Ralph
10 Gitomer whose telephone number is (703) 308-0732. The examiner
can normally be reached on Tuesday-Friday from 8:00 am - 5:00 pm.
The examiner can also be reached on alternate Mondays. If
attempts to reach the examiner by telephone are unsuccessful, the
examiner's supervisor, Michael Wityshyn can be reached on (703)
15 308-4743. The fax phone number for this Art Unit is (703) 308-
4556. Any inquiry of a general nature or relating to the status
of this application should be directed to the Group receptionist
whose telephone number is (703) 308-1235. For 24 hour access to
patent application information 7 days per week, or for filing
20 applications electronically, please visit our website at
www.uspto.gov and click on the button Patent Electronic Business
Center for more information.

Ralph Gitomer

Ralph Gitomer
Primary Examiner
Group 1651

RALPH GITOMER
PRIMARY EXAMINER
GROUP 1200

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